ATTORNEY'S DOCKET NUMBER 15670-054US1 SD2002-186

## TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/FLECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO. PCT/US03/29213

INTERNATIONAL FILING DATE 18 September 2003 U.S. APPLICATION NO. (It known, see 27 C.F.R. 1.5)

10/528348

PRIORITY DATE CLAIMED

PRIORITY DATE CLAIMEI
18 September 2002

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STREAM-WISE THERMAL GRADIENT CLOUD CONDENSATION NUCLEI CHAMBER

		NT(S) FOR DO/EO/US C. Roberts and Athanasios Nenes				
App	lican	t herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
1.	$\boxtimes$	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.				
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
3.	$\boxtimes$	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4.	$\boxtimes$	The US has been elected (Article 31).				
5.	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))				
		<ul> <li>a.</li></ul>				
6.		An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
		a. is attached hereto.				
		b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7.	$\boxtimes$	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
		<ul> <li>a.  are attached hereto (required only if not communicated by the International Bureau).</li> <li>b.  have been communicated by the International Bureau.</li> </ul>				
		c. have not been made; however, the time limit for making such amendments has NOT expired.				
		d. A have not been made and will not be made.				
8.		An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
	Iten	as 11 to 20 below concern document(s) or information included:				
11.	$\boxtimes$	An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.				
12.		An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.				
13.	$\boxtimes$	A preliminary amendment.				
14.		An Application Data Sheet under 37 C.F.R. 1.76.				
15.		A substitute specification.				
16.		A power of attorney and/or change of address letter.				
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.				
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).				
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				
20.	$\boxtimes$	Other items or information: Return Receipt Postcard, Express Mail Declaration				

JC05 Rec'd PCT/PTO 17 MAR 2005
INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER

U.S. APPLICATION	NO. (if known)	ATTORNEY'S DOCKET NUMBER 15670-054US1						
The following fees have been submitted  PCT/US03/29213						CALCULATIONS PTO USE ONLY		
21. Basic national fee\$300						\$300.00		
If International pre	icle 33(1)-(4)	\$200.00						
Search fee (37 CF)	onal Searching A	\$100.00						
	Total	of 21, 22 and 23 =				\$600.00	(	
sequence listir	ng or computer p	rogram listing file	ed in paper over 100 sheets d in an electronic medium).		uding			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof.  RATE thereof (round up to a whole number)						
-100 =	/50		d up to a whole hamoer)		X \$250	\$0.00		
Surcharge of \$130 priority date (37 C	) for furnishing t	he oath or declarat	tion later than 30 months fro	m tl		\$0.00	-	
CLAIMS		JMBER FILED	NUMBER EXTRA		RATE			
Total Clair		27 - 20 =	7		x \$50	\$350.00		
Independent C	laims	5 - 3 =	2			\$400.00		
MULTIPLE DEPI		M(S) (if applicable	:)		+ \$360 .	\$0.00		
		<del></del>		OVE	CALCULATIONS =	\$1,350.00		
Applicant clain	ns small entity s	atus. See 37 C.F.F	R. 1.27. Fees above are redu			\$675.00		
					SUBTOTAL =	\$675.00		
Processing fee of \$130 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(i))								
				·~·	+	\$0.00		
<b>7</b> 0 1:		. /22 G F F			L NATIONAL FEE =	\$675.00		
			. 1.21(h)). The assignment \$40.00 per property		+	\$0.00		
*			TO	ΓAL	FEES ENCLOSED =	\$675.00		
						Amount to be refunded:	\$0.00	
						Amount to be charged:	\$0.00	
a. A check	in the amount o	f \$675.00 to cover	the above fees is enclosed.					
b. Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.								
c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.								
d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.								
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